

# i-Series (Air Cooling)



## New High Power UV LED Module

### FEATURES & BENEFITS

- High Power Density of Up to 18W/cm<sup>2</sup>
- Designed to Maintain Higher Peak Output at Longer Working Distance
- Multidivisional Dimming Control
- Dimming from 10-100%
- Scalable End-to-End with Edgeless Module
- Integrated Driver
- U-VIT (USHIO Variable Illumination Technology) Partial Dimming / On•Off Function Can Offer Optimized Light Distribution Which Can Contribute to Energy Saving and Fine Tuned Curing Process



| <b>i - Series</b>                                  | <b>i075 III i150 III i225 III i300 III i375 III i450 III i525 III</b> |               |               |               |               |               |               |
|--|---|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Cooling Type</b>                                | <b>Air Cooling</b>  |               |               |               |               |               |               |
| <b>Size of the Window (mm)</b>                     | <b>75x40</b>  | <b>150x40</b> | <b>225x40</b> | <b>300x40</b> | <b>375x40</b> | <b>450x40</b> | <b>525x40</b> |
| <b>Mechanical Dimensions (mm)</b>                  |   |               |               |               |               |               |               |
| <b>Width</b>                                       | <b>77</b>   | <b>152</b>    | <b>227</b>    | <b>302</b>    | <b>377</b>    | <b>452</b>    | <b>527</b>    |
| <b>Length</b>                                      | <b>136</b>  |               |               |               |               |               |               |
| <b>Height</b>                                      | <b>270</b>  |               |               |               |               |               |               |
| <b>Peak Wavelength (nm)</b>                        | <b>365</b>  |               | <b>385</b>    |               | <b>395</b>    |               | <b>405</b>    |
| <b>Peak Irradiance (W/cm<sup>2</sup>) @ Window</b> | <b>12.5</b>   |               | <b>16.0</b>   |               | <b>17.5</b>   |               | <b>18.0</b>   |

# E-Series (Air Cooling)

## New High Power UV LED Module

### FEATURES & BENEFITS

- High Power Density of Up to 8W/cm<sup>2</sup>
- Designed to Maintain Higher Peak Output at Longer Working Distance
- Dimming from 10-100%
- Scalable End-to-End
- Optional: Top Mount Air Duct
- Optional: DB15 Connector



### U-DOS Type (Directional Optical System Type)

| <b>E - Series</b>                           | <b>E110 HC III - U-DOS</b> |
|---|----------------------------|
| Cooling Type                                | Air Cooling                |
| Size of the Window (mm)                     | 110 x Rod Lens             |
| Mechanical Dimensions (mm):                 |                            |
| Width                                       | 110                        |
| Length                                      | 28                         |
| Height                                      | 142.9                      |
| Peak Irradiance (W/cm <sup>2</sup> ) @ 15mm | 4.5W@395nm                 |

### HC Type (High Condensing Type)

| <b>E - Series</b>                           | <b>E110 HC III</b> | <b>E75HC III</b> |
|---|--------------------|------------------|
| Cooling Type                                | Air Cooling        |                  |
| Size of the Window (mm)                     | 110 x Rod Lens     | 75 x Rod Lens    |
| Mechanical Dimensions (mm)                  |                    |                  |
| Width                                       | 110                | 76               |
| Length                                      | 28                 |                  |
| Height                                      | 142.9              |                  |
| Peak Wavelength (nm)                        | 395                | 395              |
| Peak Irradiance (W/cm <sup>2</sup> ) @ 10mm | 8.0                | 8.0              |